Notice of Allowability	Application No.	Applicant(s)	
	10/616,691	SAGGINI ET AL.	
	Examiner	Art Unit	
	Adolf Berhane	2838	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commem GHTS. This application is	n this application. If not included unication will be mailed in due cou	ırse. THIS
1. This communication is responsive to papers filed on 1/13/0	<u>14</u> .		
2. The allowed claim(s) is/are <u>1-11</u> .			·
3. \boxtimes The drawings filed on $7/9/03$ are accepted by the Examine	r.		
 4.	been received. been received in Application to provide the communication to file and the communication. been received in Application to file and the communication to file application. been received in Application to file and the communication to file and the communication to file and the communication to file and the submitted. because of the submitted and the submitted and the communication to submitted and the communication to submitted and the submitt	on No Indicate the distance of the drawings in the front (not the baff 1.121(d). End in No Indicate the distance of the drawings in the front (not the baff 1.121(d). ERIAL must be submitted. Note	ements ICE OF
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 1/13/04 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ⊠ Interview S Paper No. 8), 7. ⊠ Examiner's	oformal Patent Application (PTO-1 summary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allowa Accil Deneks Berhane Primary Examiner	
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Application/Control Number: 10/616,691 Page 2

Art Unit: 2838

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claims 12-20 have been cancelled.

- 2. Claims 1-11 are allowed over the cited prior art.
- 3. The following is an examiner's statement of reasons for allowance: None of the cited prior art disclose or teach a voltage regulator with a digital controller coupled to the switch, which closes the first switch when an error voltage, obtained by subtracting from the output voltage a constant reference voltage, is less than a preset first value of voltage, and opens the first switch when the output current is greater than a preset first value of current.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Restriction to one of the following inventions is required under 35 U.S.C. 121:

Application/Control Number: 10/616,691 Page 3

Art Unit: 2838

 Claims 1-11 are, drawn to voltage regulator, classified in class 323, subclass 283.

II. Claims 12-20 are, drawn to multiphase voltage regulator, classified in class 363, subclass 71.

The inventions are distinct, each from the other because of the following reasons:

- 5. Inventions II and I are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions digital controller for a voltage regulator and a master-slave controller for a multiphase voltage regulator.
- 6. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 7. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.
- 8. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 9. During a telephone conversation with Carol Burton on October 27, 2004 a provisional election was made without traverse to prosecute the invention of Group I.

Application/Control Number: 10/616,691

Art Unit: 2838

claims 1-11. Affirmation of this election must be made by applicant in replying to this Office action. Claims 12-20 withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Page 4

10. This application is in condition for allowance except for the presence of claims12-20 to an invention non-elected without traverse. Accordingly, claims 12-20 been cancelled.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolf Berhane whose telephone number is 571-272-2077. The examiner can normally be reached on Monday- Friday 8 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 571-272-2084. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Adolf Bérhane Primary Examiner Art Unit 2838